

Appendix A

Call Dependencies Between Program Files

Appendix A. Call Dependencies Between Program Files

The following tabulation shows for each user-callable subprogram name in the MATH77 library, the set of program files needed to support the use of that subprogram name. A program file contains one or more Fortran program units. A program unit contains the code for one or more subprograms (more than one if ENTRY names are present).

The term "file" is used here as it is used in MS/DOS, OS/2, VAX/VMS, UNIX, and many other operating systems. For the UNISYS (UNIVAC) system replace the term "file" with "element."

<u>Entry</u>	<u>Necessary Files</u>									
CAXPY	CAXPY									
CCOEF	CCOEF									
CCOPY	CCOPY									
CDOTC	CDOTC									
CDOTU	CDOTU									
CGAM	AMACH	CGAM	ERFIN	ERMSG	SERM1	SERV1				
CGECO	CAXPY	CDOTC	CGECO	CGEFA	CSCAL	CSSCAL	ICAMAX			
CGED	AMACH	CGED								
CGEFA	CAXPY	CGEFA	CSCAL	ICAMAX						
CGEFS	CAXPY	CGEFA	CGEFS	CGESLD	CSCAL	ERFIN	ERMSG	ICAMAX		
CGEFSC	CAXPY	CDOTC	CGECO	CGEFA	CGEFSC	CGESLD	CSCAL	ERFIN	ERMSG	
	ICAMAX	SCASUM								
CGEI	CAXPY	CGEI	CSCAL	CSWAP	ERFIN	ERMSG				
CGESLD	CAXPY	CGESLD	ERFIN	ERMSG						
CGESLT	CDOTC	CGESLT	ERFIN	ERMSG						
CPOLZ	AMACH	CPOLZ	ERFIN	ERMSG	SCOMQR					
CSCAL	CSCAL									
CSORT	CSORT									
CSORTP	CSORTP									
CSSCAL	CSSCAL									
CSWAP	CSWAP									
CWOFZ	AMACH	CWOFZ	ERFIN	ERMOR	ERMSG	SERV1				
D1MACH	AMACH									
DACCUM	DACCUM	DHTCC	DNRM2	DROTG	ERFIN	ERMSG	IERM1	IERV1		
DACOSH	AMACH	DASINH	DERM1	DERV1	ERFIN	ERMSG				
DACSCH	AMACH	DASINH	DERM1	DERV1	ERFIN	ERMSG				
DACTNH	AMACH	DASINH	DERM1	DERV1	ERFIN	ERMSG				
DASECH	AMACH	DASINH	DERM1	DERV1	ERFIN	ERMSG				
DASINH	AMACH	DASINH	DERM1	DERV1	ERFIN	ERMSG				
DASUM	DASUM									
DATANH	AMACH	DASINH	DERM1	DERV1	ERFIN	ERMSG				
DAXPY	DAXPY									
DBACC	DBACC	DHTCC	DNRM2	ERFIN	ERMSG	IERM1	IERV1			
DBESJ0	AMACH	DBESJ0	DBMP0	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1
	IERV1									
DBESJ1	AMACH	DBESJ1	DBMP1	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1
	IERV1									
DBESJN	AMACH	DBESJN	DBESPQ	DERM1	DERV1	DGAMMA	ERFIN	ERMSG	IERV1	
DBESY0	AMACH	DBESJ0	DBESY0	DBMP0	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG
	IERV1									
DBESY1	AMACH	DBESJ1	DBESY1	DBMP1	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG
	IERV1									
DBESYN	AMACH	DBESPQ	DBESYN	DERM1	DERV1	DGAMMA	DLGAMA	ERFIN	ERMOR	ERMSG
	IERV1									
DBI0K0	AMACH	DBI0K0	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1	IERV1
DBI1K1	AMACH	DBI1K1	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1	IERV1
DBSOL	DBSOL	ERFIN	ERMSG	IERM1	IERV1					
DC2FIT	DBACC	DBSOL	DC2BAS	DC2FIT	DERM1	DERV1	DHTCC	DNRM2	DTRC2C	ERFIN
	ERMSG	IERM1	IERV1							
DCDCHI	AMACH	DCDCHI	DCSEVL	DERF	DERM1	DERV1	DGAM1	DGAMMA	DINITS	DRCOMP
	DREXP	DRLOG	DXPARG	ERFIN	ERMSG	IERM1	IERV1			
DCDNML	AMACH	DCSEVL	DERF	DERM1	DERV1	DINITS	ERFIN			
DCDPOI	AMACH	DCDPOI	DCSEVL	DERF	DERM1	DERV1	DGAM1	IERM1	DINITS	IERV1
	DREXP	DRLOG	DXPARG	ERFIN	ERMSG	IERM1	IERV1			
DCFT	DCFT	FFT	ERFIN	ERMSG	IERM1	IERV1				
DCHOL	AMACH	DCHOL								
DCI	DCI	DCPVAL	DERM1	DERV1	ERFIN	ERMSG				
DCIN	DCI	DCPVAL	DERM1	DERV1	ERFIN	ERMSG				
DCKDER	AMACH	DCKDER	ERFIN	ERMSG	IERM1	IERV1				
DCONCM	DCONCM									

Entry	Necessary Files									
DCONMC	DCONMC									
DCOPY	DCOPY									
DCOS1	DCOS1									
DCOSHSM	AMACH	DCOSHSM								
DCOSPX	AMACH	ERFIN	ERMSG	DCOSPX	DERM1	DERV1	IERN1	IERN1	IERN1	IERN1
DCOV2	DCOV2	DDOT	DSWAP	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1
DCOV3	DCOPY	DCOV3	DDOT	DSCAL	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1
DCPDRV	DCPDRV	ERFIN	ERMSG	IERN1	IERV1					
DCPINT	DCPINT	ERFIN	ERMSG	IERN1	IERV1					
DCPLTE	AMACH	DCPLTE	DERM1	DERV1	ERFIN	ERMSG				
DCPLTK	AMACH	DCPLTK	DERM1	DERV1	ERFIN	ERMSG				
DCPVAL	DCPVAL									
DCSHMM	AMACH	DCSHMM								
DDOT	DDOT									
DE1	AMACH	DCSEVL	DEI	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERN1	IERN1
DEI	AMACH	DCSEVL	DEI	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERN1	IERN1
DELEFI	AMACH	DELEFI	DERM1	DERV1	DLNREL	ERFIN	ERMSG	IERN1	IERN1	IERN1
DELPPI	AMACH	DELPPI	DERM1	DERV1	DRCVAL	DRFVAL	ERFIN	ERMSG	IERN1	IERN1
DERF	AMACH	DCSEVL	DERF	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERN1	IERN1
DERFC	AMACH	DCSEVL	DERF	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERN1	IERN1
DERFCE	AMACH	DCSEVL	DERF	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERN1	IERN1
DERFCI	AMACH	DERFI	DERM1	DERV1	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1
DERFI	AMACH	DERFI	DERM1	DERV1	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1
DERM1	DERM1	DEVBN	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1	IERN1
DERMN	DERMN	DEVBN	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1	IERN1
DERV1	DERV1	ERFIN								
DERVN	DERVN	ERFIN								
DEVUN	AMACH	DEVBH	DEVUN	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1
DEVVUN	AMACH	DEVBH	DEVVUN	DNRM2	DSCAL	ERFIN	ERMSG	IERN1	IERN1	IERN1
DFFT	DFFT									
DFMIN	AMACH	DFMIN	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1	IERN1
DFRENC	AMACH	DFRENL								
DFRENF	AMACH	DFRENL								
DFRENG	AMACH	DFRENL								
DFRENS	AMACH	DFRENL								
DGAM1	AMACH	DERM1	DERV1	DGAM1	DGAMMA	ERFIN	ERMSG	DGR17	DGR29	DINITS
DGAMI	AMACH	DCSEVL	DERF	DERM1	DERV1	DGAM1	DGAMMA	IERN1	IERV1	DINITS
DPDEL	DPDEL	DRCOMP	DREXP	DRLOG	DXPARG	ERFIN	ERMSG	IERN1	IERV1	DINITS
DGAMIE	AMACH	DCSEVL	DERF	DERM1	DERV1	DGAM1	DGAMMA	IERN1	IERV1	DINITS
DPDEL	DPDEL	DRCOMP	DREXP	DRLOG	DXPARG	ERFIN	ERMSG	IERN1	IERV1	DINITS
DGAMIK	AMACH	DCSEVL	DERF	DERM1	DERV1	DGAM1	DGAMMA	IERN1	IERV1	DINITS
DPDEL	DPDEL	DRCOMP	DREXP	DRLOG	DXPARG	ERFIN	ERMSG	IERN1	IERV1	DINITS
DGAMMA	AMACH	DERM1	DERV1	DGAMMA	ERFIN	ERMSG	IDAMAX			
DGEKO	DASUM	DAXPY	DDOT	DGEKO	DGEFA	DSCAL				
DGED	AMACH	DGED								
DGEFA	DAXPY	DGEFA	DSCAL	IDAMAX						
DGEFS	DAXPY	DGEFA	DGEFS	DGESLD	DGEFA	DSCAL	ERFIN	ERMSG	IDAMAX	
DGEFSC	DASUM	DAXPY	DDOT	DGEKO	DGEFA	DGEFSC	DGESLD	DSCAL	ERFIN	ERMSG
IDAMAX	DAMAX									
DGEI	DAXPY	DGEI	DSCAL	DSWAP	ERFIN	ERMSG				
DGESLD	DAXPY	DGESLD	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1	IERN1
DGESLT	DDOT	DGESLT	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1	IERN1
DHERQL	DHERQL	DIMQL	ERFIN	ERMSG	IERN1	IERN1	IERN1	IERN1	IERN1	IERN1
DHTFI	AMACH	DAXPY	DDOT	DHTFI	DHTCC	DHTGEN	DNRM2	ERFIN	ERMOR	ERMSG
DHINT	DHINT	DHINT								
DHTCC	DHTCC	DNRM2								
DHTGEN	DAXPY	DDOT	DHTGEN	DNRM2	MESS	UMESS	OPTCHK	UMESS		
DILUP	AMACH	DILUP	DMESS	DMESS	MESST	DINTDU	DINTF	DINTNS	DINTO	DINTSM
DILUPM	AMACH	DILUP	DILUPM	DMESS	MESST	DINTDU	OPTCHK	UMESS		
DINT1	AMACH	DINT1	DINTA	DINTA	UMESS	DINTDU	DINTF	DINTNS	DINTO	DINTSM
DINTA	AMACH	UMESS	DINTA	DINTA	DINTDU	DINTF	DINTNS	DINTO	DMESS	MESS
DINTM	AMACH	DCOPY	DINTA	DINTA	DINTDU	DINTF	DINTNS	DINTO	DINTSM	DINTO
DINTMA	AMACH	DINTOP	DINTSM	DMESS	MESST	DINTDU	DINTF	DINTMA	DINTNS	DINTO
DINTTOP	AMACH	DMESS	DINTA	DINTA	UMESS	DINTDU	DINTF	DINTMA	DINTNS	DINTO
DIVA	AMACH	DIVA	DMESS	DMESS	MESST	OPTCHK	UMESS			
DIVAA	AMACH	DIVA	DMESS	DMESS	MESST	OPTCHK	UMESS			
DIVACO	AMACH	DIVA	DMESS	DMESS	MESST	OPTCHK	UMESS			
DIVADB	AMACH	DIVADB	DMESS	DMESS	MESST	UMESS				
DIVAG	AMACH	DIVA	DIVAG	DMESS	DZERO	MESS	OPTCHK	UMESS		
DIVAIN	AMACH	DIVA	DMESS	MESS	OPTCHK					

Entry	Necessary Files													
DIVAOP	AMACH	DIVA	DMESS MESS OPTCHK UMESS											
DIVSET	AMACH	DIVSET												
DLASUM	DLASUM													
DLESUM	DLESUM													
DLGAMA	AMACH	DERM1	DERV1	DGAMMA	DLGAMA	ERFIN	ERMSG							
DLNREL	DLNREL													
DMATP	DMATP													
DMATPR	AMACH	DMATPR	DMESS	MESS	UMESS									
DMESS	AMACH	DMESS	MESS	UMESS										
DMLC01	AMACH	DERV1	DMLC	ERFIN	ERMOR	ERMSG IERM1 IERV1								
DMPDRV	DMPDRV	ERFIN	ERMSG	IERM1	IERV1									
DMPINT	DMPINT	ERFIN	ERMSG	IERM1	IERV1									
DMPVAL	DMPVAL													
DNLAFB	AMACH	DIVSET	DNLAFB	DRN2GB	I7COPY									
DNLAFU	AMACH	DIVSET	DNLAFU	DRN2G										
DNLAGB	AMACH	DIVSET	DNLAGB	DRN2GB	I7COPY									
DNLAGU	AMACH	DIVSET	DNLAGU	DRN2G										
DNLFB	AMACH	DIVSET	DNLFB	DQ7RFH	DRN2GB	DRNSGB	I7COPY	IDSM						
DNLFSU	AMACH	DIVSET	DNLFSU	DQ7RFH	DRN2G	DRNSG	IDSM							
DNLSGB	AMACH	DIVSET	DNLSGB	DQ7RFH	DRN2GB	DRNSGB	I7COPY							
DNLSGU	AMACH	DIVSET	DNLSGU	DQ7RFH	DRN2G	DRNSG	I7COPY							
DNQSOL	AMACH	DERV1	DNQSOL	DRNRM2	ERFIN	ERMSG	IERM1	IERV1						
DNRM2	DNRM2													
DPASCL	DWCOMP	ERFIN	ERMSG	IERM1	IERV1									
DPFIT	AMACH	DERM1	DERV1	DPFIT	DROTM	DROTMG	ERFIN	ERMSG	IERM1 IERV1					
DPOLZ	AMACH	DPOLZ	ERFIN	ERMSG										
DPOLZ2	AMACH	DPOLZ2	ERFIN	ERMSG										
DPPNML	AMACH	DERFI	DERM1	DERV1	DPPNML	ERFIN	ERMSG IERV1							
DPQUAD	DERV1	DPQUAD	DSFIND	ERFIN	IERM1	IERV1								
DPRPL	DPRPL													
DPRPL1	DPRPL1	DPRPL3	ERFIN	ERMSG	IERM1	IERV1								
DPRPL2	DPRPL2	DPRPL3	ERFIN	ERMSG	IERM1	IERV1								
DPSI	AMACH	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1	IERV1					
DPSIE	AMACH	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1	IERV1					
DPSIK	AMACH	DCSEVL	DERM1	DERV1	DINITS	ERFIN	ERMSG	IERM1	IERV1					
DPVAL	DERV1	DPVAL	DSFIND	ERFIN	ERMSG	IERM1	IERV1							
DRANE	DRANE	ERFIN	ERMSG	RANPK1	RANPK2									
DRANG	DRANG	ERFIN	ERMSG	RANPK1	RANPK2									
DRANGV	DRANGV	DRANGV	ERFIN	ERMSG	RANPK1	RANPK2								
DRANR	DRANR	ERFIN	ERMSG	RANPK1	RANPK2									
DRANU	DRANU	ERFIN	ERMSG	RANPK1	RANPK2									
DRANUA	ERFIN	ERMSG	RANPK2											
DRANUS	ERFIN	ERMSG	RANPK2											
DRCVAL	AMACH	DERM1	DERV1	DRCVAL	ERFIN	ERMSG								
DRDVAL	AMACH	DERM1	DERV1	DRDVAL	ERFIN	ERMSG								
DREXP	DREXP													
DRFT	DFFT	DRFT	ERFIN	ERMSG	IERM1	IERV1								
DRFT1	DFFT	DRFT1	ERFIN	ERMSG	IERM1	IERV1								
DRFVAL	AMACH	DERM1	DERV1	DRFVAL	ERFIN	ERMSG								
DRJVAL	AMACH	DERM1	DERV1	DRFVAL	DRFVAL	ERFIN	ERMSG							
DRLOG1	DRLOG1													
DRLOG	DRLOG													
DROT	DROT													
DROTG	DROTG													
DROTM	DROTM													
DROTMG	DROTMG													
DSBASD	DSBASD	ERFIN	DSBASD	DSBASI	IERM1	IERV1								
DSBASI	DSBASI	DSBASI	DSBASI	DSFIND	ERFIN	ERMSG	IERM1	IERV1						
DSCAL	DSCAL													
DSDIF	DSDIF													
DSDOT	DSDOT													
DSFIND	DERV1	DSFIND	ERFIN	ERMSG	IERM1	IERV1								
DSFIT	DBACC	DBSOL	DERV1	DHTCC	DRNRM2	IERF1	DSBASD	DSFIT	ERFIN	ERMSG	IERM1			
DSFITC	DAXPY	DBLSE	DSBASI	DCOPY	DDOT	DHTCC	DERV1	DRNRM2	DRANU	DROTG	IERV1			
DSBASD	DSBASD	RANPK1	RANPK2	DSFITC	DSWAP	ERFIN	ERMSG	DRJVAL	IERM1					
DSI	DCPVAL	DSI												
DSIN1	AMACH	DSIN1												
DSINHM	AMACH	DSINHM												
DSINPX	AMACH	ERFIN	ERMSG	DERM1	DERV1	DSINPX								
DSORT	DSORT													
DSORTPT	DSORTPT													
DSQUAD	DERV1	DSBASD	DSFIND	DSQUAD	DSVAL	DSVALA	ERFIN	ERMSG	IERM1	IERV1				
DSTAT1	DSTAT1													

Entry	Necessary Files											
DSTAT2	DPRPL	DSTAT2										
DSTOP	DERV1	DSBASD	DSDIF	DSFIND	DSTOP	DSVALA	ERFIN	ERMSG	IERM1	IERV1		
DSVA	AMACH	DAXPY	DCOPY	DDOT	DHTCC	DHTGEN	DNRM2	DPRTSV	DQRBD	DROT		
DSVAL	DROTG	DSVA	DSVDRS	DSWAP	ERFIN	ERMOR	ERMSG	IERV1				
DSVDRS	DEV1	DSFIND	DSVAL	ERFIN	ERMSG	IERM1	IERV1					
DSWAP	AMACH	DAXPY	DCOPY	DDOT	DHTCC	DHTGEN	DNRM2	DQRBD	DROT	DROTG		
DSWAP	DSVDRS	DSWAP	ERFIN	ERRMSG	IERV1							
DSYMQL	DIMQL	DSYMLQ	ERFIN	ERMSG	IERM1	IERV1						
DTCST	DFFT	DTCST	ERFIN	ERMSG	IERM1	IERV1						
DUACOS	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUASIN	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUATAN	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUATN2	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUCOS	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUCOSH	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUDIF	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUDIF1	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUEXP	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DULOG	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUPRO	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUPRO1	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUPWRI	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUQUO	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUQUO1	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUREV	DASUM	DAXPY	DDOT	DGEKO	DGEFA	DGEI	DSCAL	DSWAP	DUREV	ERFIN		
		ERMSG	IDAMAX									
DUSET	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUSIN	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUSINH	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUSQRT	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUSUM	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUSUM1	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUTAN	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DUTANH	DUCOMP	ERFIN	ERMSG	IERM1	IERV1							
DVECP	DVECP											
DVECPR	AMACH	DMESS	DVECPR	MESS	UMESS							
DWACOS	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWASIN	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWATAN	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWATN2	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWCHN	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWCOS	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWCOSH	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWDIF	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWDIF1	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWEXP	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWLOG	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWPRO	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWPRO1	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWPWRI	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWQUO	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWQUO1	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWRCHN	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWSET	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWSIN	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWSINH	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWSQRT	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWSUM	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWSUM1	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWTAN	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DWTANH	DWCOMP	ERFIN	ERMSG	IERM1	IERV1							
DZABS	DZABS											
DZERO	AMACH	DMESS	DZERO	MESS	UMESS							
ERFIN	ERFIN											
ERMOR	ERFIN	ERMOR										
ERMSET	ERFIN	ERMSG										
ERMSG	ERFIN	ERMSG										
EXSORT	EXSORT	INSERT	PVEC									
GSORTP	GSORTP											
I1MACH	AMACH											
ICAMAX	ICAMAX											
IDAMAX	IDAMAX											
IERM1	ERFIN	ERMSG	IERM1	IERV1								
IERV1	ERFIN	IERV1										

<u>Entry</u>	<u>Necessary Files</u>								
IMATP	IMATP								
IMATPR	IMATPR	MESS	UMESS						
INSORT	INSORT								
IRANP	AMACH	ERFIN	ERMSG	IRANP	RANPK1	RANPK2	SERM1	SERV1	
ISAMAX	ISAMAX								
ISORT	ISORT								
ISORTP	ISORTP								
ISTAT1	ISTAT1								
ISTAT2	ISTAT2	SPRPL							
IVECP	IVECP								
IVECPR	IVECPR	MESS	UMESS						
MESS	MESS								
PVEC	PVEC								
R1MACH	AMACH								
RAN1	ERFIN	ERMSG	RANPK1	RANPK2					
RANGET	ERFIN	ERMSG	RANPK2						
RANPUT	ERFIN	ERMSG	RANPK1	RANPK2					
RANSIZ	ERFIN	ERMSG	RANPK2						
RN2	ERFIN	ERMSG	RANPK2						
SACCUM	ERFIN	ERMSG	IERM1	IERV1	SACCUM	SHTCC	SNRM2	SROTG	
SACOSH	AMACH	ERFIN	ERMSG	SASINH	SERM1	SERV1			
SACSCH	AMACH	ERFIN	ERMSG	SASINH	SERM1	SERV1			
SACTNH	AMACH	ERFIN	ERMSG	SASINH	SERM1	SERV1			
SASECH	AMACH	ERFIN	ERMSG	SASINH	SERM1	SERV1			
SASINH	AMACH	ERFIN	ERMSG	SASINH	SERM1	SERV1			
SASUM	SASUM								
SATANH	AMACH	ERFIN	ERMSG	SASINH	SERM1	SERV1			
SAXPY	SAXPY								
SBACC	ERFIN	ERMSG	IERM1	IERV1	SBACC	SHTCC	SNRM2		
SBESJ0	AMACH	ERFIN	ERMSG	IERM1	IERV1	SBESJ0	SBMP0	SCSEVL	SERM1
	SINITS								SERV1
SBESJ1	AMACH	ERFIN	ERMSG	IERM1	IERV1	SBESJ1	SBMP1	SCSEVL	SERM1
	SINITS								SERV1
SBESJN	AMACH	ERFIN	ERMSG	IERV1	SBESJN	SBESPJQ	SERM1	SERV1	SGAMMA
SBESY0	AMACH	ERFIN	ERMSG	IERM1	IERV1	SBESJ0	SBESY0	SBMP0	SCSEVL
	SINITS								SERM1
SBESY1	AMACH	ERFIN	ERMSG	IERM1	IERV1	SBESJ1	SBESY1	SBMP1	SCSEVL
	SINITS								SERM1
SBESYN	AMACH	SLGAMA	ERFIN	ERMROR	ERMSG	IERV1	SBESPJQ	SBESYN	SERV1
									SGAMMA
SBI0K0	AMACH	ERFIN	ERMSG	IERM1	IERV1	SBI0K0	SCSEVL	SERM1	SINITS
SBI1K1	AMACH	ERFIN	ERMSG	IERM1	IERV1	SBI1K1	SCSEVL	SERM1	SINITS
SBSOL	ERFIN	ERMSG	IERM1	IERV1	SBSOL	SBACC			
SC2FIT	ERFIN	ERMSG	SNRM2	STRC2C	SBSOL	SC2BAS	SC2FIT	SERM1	SERV1
SCASUM	SCASUM								
SCDCHI	AMACH	ERFIN	SGAMMA	ERMSG	IERM1	IERV1	SCDCHI	SCSEVL	SERM1
	SGAM1			SINITS	SRCOMP	SREXP	SXPARG	SERF	SERV1
SCDNML	AMACH	ERFIN	SGAM1	ERMSG	IERM1	IERV1	SRLOG	SERF	SINITS
SCDPOI	AMACH	ERFIN	SGAM1	ERMSG	IERM1	IERV1	SCDPOI	SCSEVL	SERV1
	SINITS			SINITS	SRCOMP	SREXP	SRLOG	SERF	SERV1
SCFT	ERFIN	ERMSG	SCHOL		SCFT				
SCHOL	AMACH	ERFIN	ERMSG	SCI	SCVAL	SERV1			
SCI	ERFIN	ERMSG	SCI	SCVAL	SERV1				
SCIN	ERFIN	ERMSG	ERFIN	ERMSG	IERM1	IERV1			
SCKDER	AMACH	SCNRM2	SCNRM2						
SCNRM2	SCNRM2								
SCONCM	SCONCM								
SCONMC	SCONMC								
SCOPY	SCOPY								
SCOS1	SCOS1								
SCOSHSM	SCOSHSM								
SCOSPX	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCOSPX	SERV1	SSWAP	
SCOV2	ERFIN	ERMSG	ERMSG	IERM1	IERV1	SCOV2	SDOT		
SCOV3	ERFIN	ERMSG	ERMSG	IERM1	IERV1	SCOPY	SCOV3	SDOT	SSCAL
SCPDRV	ERFIN	ERMSG	ERMSG	IERM1	IERV1	SCPDRV			
SCPINT	ERFIN	ERMSG	ERMSG	IERM1	IERV1	SCPINT			
SCPLTE	AMACH	ERFIN	ERMSG	ERMSG	SCPLTE	SERM1	SERV1		
SCPLTK	AMACH	ERFIN	ERMSG	SCPLTK	SERM1	SERV1			
SCPVAL	SCPVAL								
SCSHMM	SCSHMM								
SDOT	SDOT								
SDSDOT	SDSDOT								
SE1	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SEI	SERM1	SINITS
SEI	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SEI	SERV1	SINITS

Entry	Necessary Files											
SELEFI	AMACH	ERFIN	ERMSG	SELEFI	SERM1	SERV1	SLNREL		SRFVAL	SRJVAL		
SELPPI	AMACH	ERFIN	ERMSG	SELPPI	SERM1	SERV1	SCSEVL	SERF	SERM1	SERV1	SINITS	
SERF	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERF	SERF	SERM1	SERV1	SINITS	
SERFC	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERF	SERF	SERM1	SERV1	SINITS	
SERFCE	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERF	SERF	SERM1	SERV1	SINITS	
SERFCI	AMACH	ERFIN	ERMSG	SERFI	SERM1	SERV1	SERF	SERF	SERM1	SERV1	SINITS	
SERFI	AMACH	ERFIN	ERMSG	SERFI	SERM1	SERV1	SERF	SERF	SERM1	SERV1	SINITS	
SERM1	ERFIN	ERMSG	SERM1	SERV1	SERV1	SERV1	SERF	SERF	SERM1	SERV1	SINITS	
SERMN	ERFIN	ERMSG	SERMN	SERV1	SERVN	SERVN	SERF	SERF	SERM1	SERV1	SINITS	
SERV1	ERFIN	SERV1										
SERVN	ERFIN	SERVN										
SEVUN	AMACH	ERFIN	ERMSG	SEVBH	SEVUN							
SEVVUN	AMACH	ERFIN	ERMSG	SEVBH	SEVVUN		SNRM2	SSCAL				
SFFT	SFFT											
SFMIN	AMACH	ERFIN	ERMSG	IERM1	IERV1	SFMIN						
SFRENC	AMACH	SFRENL										
SFRENF	AMACH	SFRENL										
SFRENG	AMACH	SFRENL										
SFRENS	AMACH	SFRENL										
SGAM1	AMACH	ERFIN	ERMSG	SERM1	SERV1	SGAM1	SGAMMA					
SGAMI	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERF	SERM1	SERV1	SGAM1		
	SGAMMA	SINITS	SRCOMP	SREXP	SRLOG	SXPARG	SERF	SERM1	SERV1	SGAM1		
SGAMIE	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SXPARG	SERM1	SERV1	SGAM1		
SGAMIK	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SXPARG	SERM1	SERV1	SGAM1		
SGAMMA	AMACH	ERFIN	SRCOMP	SREXP	SRLOG	SGAMMA	SGEFA	SERM1	SERV1	SGAM1		
SGECO	AMACH	ISAMAX	SASUM	SAXPY	SSCAL	SGAMMA	SGEFA	SDOT	SGEFD	SGESLD		
SGED	AMACH	SGED				SGEFD	SGEFA	SGEFS	SGEFD	SGESLD		
SGEFA	ISAMAX	SAXPY	SSCAL	ISAMAX	SASUM	SGEFD	SGEFA	SGEFS	SGEFD	SGESLD		
SGEFS	ERFIN	ERMSG	SSCAL	ERMSG	ERMSG	SGEFD	SGEFA	SGEFS	SGEFD	SGESLD		
SGEFSC	ERFIN	ERMSG	SSCAL	ERMSG	ERMSG	SGEFD	SGEFA	SGEFS	SGEFD	SGESLD		
SGEI	ERFIN	ERMSG	SAXPY	SAXPY	SGEI	SSCAL	SSWAP					
SGESLD	ERFIN	ERMSG	SAXPY	SAXPY	SGESLD	SSCAL	SSWAP					
SGESLT	ERFIN	ERMSG	SDOT	SDOT	SGESLT	SHERQL	SIMQL					
SHERQL	ERFIN	ERMSG	IERM1	IERM1	IERV1	SHERQL	SIMQL					
SHFTI	AMACH	ERFIN	ERMSG	ERMOD	ERMSG	IERM1	IERV1	SAXPY	SDOT	SHFTI	SHTCC	
SHINT	SHINT											
SHTCC	SHTCC	SNRM2										
SHTGEN	SAXPY	SDOT	SHTGEN	SNRM2								
SILUP	AMACH	MESS	SILUP	SMESS								
SILUPM	AMACH	MESS	OPTCHK	SILUP								
SINT1	AMACH	MESS	SINT1	SINTA								
SINTA	AMACH	SINTSM	UMESS	SINTA	SINTDL	SINTDU	SINTF	SINTNS	SINTO	SINTSM	SMESS	
SINTM	AMACH	UMESS	SINTSM	SINTA	SINTDL	SINTDU	SINTF	SINTNS	SINTO	SINTSM	SMESS	
SINTMA	AMACH	MESS	SCOPY	SINTA	SINTDL	SINTDU	SINTF	SINTNS	SINTO	SINTMA	SINTNS	
SINTSM	AMACH	MESS	SCOPY	SINTA	SINTDL	SINTDU	SINTF	SINTNS	SINTO	SINTMA	SINTNS	
SINTOP	AMACH	MESS	SINTOP	UMESS								
SIVA	AMACH	MESS	OPTCHK	SIVA								
SIVAA	AMACH	MESS	OPTCHK	SIVA								
SIVACO	AMACH	MESS	OPTCHK	SIVA								
SIVADB	AMACH	MESS	SIVADB	SMESS								
SIVAG	AMACH	MESS	OPTCHK	SIVA								
SIVAIN	AMACH	MESS	OPTCHK	SIVA								
SIVAO	AMACH	MESS	OPTCHK	SIVA								
SIVSET	AMACH	MESS	OPTCHK	SIVA								
SLASUM	SLASUM											
SLESUM	SLESUM											
SLGAMA	AMACH	ERFIN	ERMSG	SERM1	SERV1	SGAMMA	SLGAMA					
SLNREL	SLNREL											
SMATP	SMATP											
SMATPR	AMACH	MESS	SMATPR	SMESS	UMESS							
SMESS	AMACH	MESS	SMATPR	SMESS	UMESS							
SMLC01	AMACH	ERFIN	ERMOD	IERM1	IERV1	SMPDRV						
SMPDRV	ERFIN	ERMSG	IERM1	IERV1	IERV1	SMPDRV	SMPINT					
SMPINT	ERFIN	ERMSG	IERM1	IERV1	IERV1	SMPDRV	SMPINT					
SMPVAL	SMPVAL											
SNLAFB	AMACH	I7COPY	SIVSET	SNLAFB	SRN2GB							
SNLAFU	AMACH	I7COPY	SIVSET	SNLAFU	SRN2G							
SNLAGB	AMACH	I7COPY	SIVSET	SNLAGB	SRN2GB							

Entry	Necessary Files								
SNLAGU	AMACH	SIVSET	SNLAGU	SRN2G					
SNLSFB	AMACH	I7COPY	IDSM	SIVSET	SNLSFB	SQ7RFH	SRN2GB	SRNSGB	
SNLSFU	AMACH	IDSM	SIVSET	SNLSFU	SQ7RFH	SRN2G	SRNSG	SRNSGB	
SNLSGB	AMACH	I7COPY	SIVSET	SNLSGB	SQ7RFH	SRN2G	SRNSG	SRNSGB	
SNLSGU	AMACH	SIVSET	SNLSGU	SQ7RFH	SRN2G	SRNSG	SRNSG	SRNSGB	
SNQSOL	AMACH	ERFIN	ERMSG	IERM1	IERV1	SERV1	SNQSOL	SNRM2	
SNRM2	SNRM2								
SPASCL	ERFIN	ERMSG	IERM1	IERV1	SWCOMP				
SPFIT	AMACH	ERFIN	ERMSG	IERM1	IERV1	SERM1	SERV1	SPFIT	SROTM SROTMG
SPOLZ	AMACH	ERFIN	ERMSG	SPO LZ	SPO LZ2				
SPO LZ2	AMACH	ERFIN	ERMSG	SPO LZ2					
SPPNML	AMACH	ERFIN	ERMSG	SERFI	SERM1	SERV1	SPPNML		
SQUAD	ERFIN	ERMSG	IERM1	IERV1	SPQUAD	SSFIND			
SPRPL	SPRPL								
SPRPL1	ERFIN	ERMSG	IERM1	IERV1	SPRPL1	SPRPL3			
SPRPL2	ERFIN	ERMSG	IERM1	IERV1	SPRPL2	SPRPL3			
SPSI	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERM1	SERV1	SINITS
SPSIE	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERM1	SERV1	SINITS
SPSIK	AMACH	ERFIN	ERMSG	IERM1	IERV1	SCSEVL	SERM1	SERV1	SINITS
SPVAL	ERFIN	ERMSG	IERM1	IERV1	SERV1	SPVAL	SSFIND		
SRANE	ERFIN	ERMSG	RANPK1	RANPK2	SRANE				
SRANG	ERFIN	ERMSG	RANPK1	RANPK2	SRANG				
SRANGV	ERFIN	ERMSG	RANPK1	RANPK2	SRANG				
SRANR	ERFIN	ERMSG	RANPK1	RANPK2	SRANR				
SRANU	ERFIN	ERMSG	RANPK1	RANPK2	SRANU				
SRANUA	ERFIN	ERMSG	RANPK2						
SRANUS	ERFIN	ERMSG	RANPK2						
SRVAL	AMACH	ERFIN	ERMSG	SERM1	SERV1	SRCVAL			
SRDVAL	AMACH	ERFIN	ERMSG	SERM1	SERV1	SRDVAL			
SREXP	SREXP								
SRFT	ERFIN	ERMSG	IERM1	IERV1	SFFT	SRFT			
SRFT1	ERFIN	ERMSG	IERM1	IERV1	SFFT	SRFT1			
SRFVAL	AMACH	ERFIN	ERMSG	SERM1	SERV1	SRFVAL			
SRJVAL	AMACH	ERFIN	ERMSG	SERM1	SERV1	SRFVAL	SRJVAL		
SRLOG1	SRLOG1								
SRLOG	SRLOG								
SROT	SROT								
SROTG	SROTG								
SROTM	SROTM								
SROTMG	SROTMG								
SSBASD	ERFIN	ERMSG	IERM1	IERV1	SSBASD				
SSBA SI	ERFIN	ERMSG	IERM1	IERV1	SERV1	SSBASD	SSBA SI	SSFIND	
SSCAL	SSCAL								
SSDIF	SSDIF								
SSFIND	ERFIN	ERMSG	IERM1	IERF1	SERV1	SSFIND			
SSFIT	ERFIN	ERMSG	IERM1	IERV1	SBACC	SBSOL	SERV1	SHTCC	SNRM2 SSBASD
SSFITC	ERFIN	ERMSG	IERM1	IERV1	SERV1	SHTCC			
SSFITC	SSFITC	SCOPY	SDOT	SHTCC					
SSI	SCPVAL	SSI							
SSIN1	AMACH	SSI							
SSINHM	SSINHM	SSIN1							
SSINPX	AMACH	ERFIN	ERMSG	SERM1	SERV1	SSINPX			
SSORT	SSORT								
SSORTP	SSORTP								
SSQUAD	ERFIN	ERMSG	IERM1	IERV1	SERV1	SSBASD	SSFIND	SSQUAD	SSVAL
SSTAT1	SSTAT1								
SSTAT2	SPRPL	SSTAT2							
SSTOP	ERFIN	ERMSG	IERM1	IERV1	SERV1	SSBASD	SSDIF	SSTOP	SSVALA
SSVA	AMACH	ERFIN	ERMOR	ERMSG	IERV1	SAXPY	SCOPY	SHTCC	SHTGEN
SSVAL	ERFIN	ERMSG	IERM1	IERV1	SERV1	SSFIND	SSVDRS	SSVAL	
SSVDRS	AMACH	ERFIN	ERMOR	IERV1	SERV1	SSFIND	SSVAL	SHTCC	SHTGEN
SNRM2	SNRM2	SQRBD	SROT	SROTG	IERV1	SAXPY	SSVDRS	SDOT	
SSWAP	SSWAP								
SSYML Q	ERFIN	ERMSG	IERM1	IERV1	SIMQL	SSYML Q			
STCST	ERFIN	ERMSG	IERM1	IERV1	SFFT	STCST			
SUACOS	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				
SUASIN	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				
SUATAN	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				
SUATN2	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				
SUCOS	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				
SUCOSH	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				
SUDIF	ERFIN	ERMSG	IERM1	IERV1	SUCOMP				

Entry	Necessary Files											
SUDIF1	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUEXP	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SULOG	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUPRO	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUPRO1	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUPWRI	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUQUO	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUQUO1	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUREV	ERFIN	ERMSG	ISAMAX	SASUM	SAXPY	SDOT	SGECO	SGEFA	SGEI	SSCAL		
SSWAP	SUREV											
SUSET	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUSIN	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUSINH	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUSQRT	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUSUM	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUSUM1	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUTAN	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SUTANH	ERFIN	ERMSG	IERM1	IERV1	SUCOMP							
SVEC	SVEC											
SVECPR	AMACH	MESS	SMESS	SVECPR	UMESS							
SWACOS	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWASIN	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWATAN	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWATN2	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWCHN	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWCOS	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWCOSH	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWDIF	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWDIF1	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWEPX	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWLOG	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWPRO	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWPRO1	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWPWRI	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWQUO	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWQUO1	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWRCHN	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWSET	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWSIN	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWSINH	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWSQRT	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWSUM	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWSUM1	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWTAN	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SWTANH	ERFIN	ERMSG	IERM1	IERV1	SWCOMP							
SZERO	AMACH	MESS	SMESS	SZERO	UMESS							
ZCOEF	ZCOEF											
ZDIF	ZDIF											
ZGAM	AMACH	DERM1	DERV1	ERFIN	ERMSG	ZGAM						
ZPOLZ	AMACH	DCOMQR	DZABS	ERFIN	ERMSG	ZPOLZ	ZQUO	ZSQRT				
ZPRO	ZPRO											
ZQUO	ZQUO											
ZSQRT	ZSQRT											
ZSUM	ZSUM											
ZWOFZ	AMACH	DERV1	ERFIN	ERMOR	ERMSG	ZWOFZ						

Appendix B

Entry Names and Common Block Names

Appendix B. Entry Names and Common Block Names

The following tabulation shows all entry names used in the MATH77 library. Software developers should avoid using these entry names.

AMACH	AMSUB1	AMTEST	CAXPY	CCOEF	CCOPY	CDLGAM	CDOTC	CDOTU	CGAM	CGECO
CGED	CGEFA	CGEFS	CGEFSC	CGEI	CGESLD	CGESLT	CPOLZ	CSCAL	CSORT	CSORTP
CSSCAL	CSPWAP	CWOFZ	D1MACH	DA7SST	DACCUM	DACOSH	DACSCH	DACTNH	DASECH	DASINH
DASUM	DATANH	DAXPY	DBACC	DBESJ0	DBESJ1	DBESJN	DBESPQ	DBESY0	DBESY1	DBESYN
DBI0K0	DBI1K1	DBMP0	DBMP1	DBSOL	DC2BAS	DC2FIT	DC7VFN	DCDIV	DCDCHI	DCDNML
DCDPOI	DCFT	DCHOL	DCI	DCIN	DCKDER	DCOMQR	DCONCM	DCONMC	DCOPY	DCOS1
DCOSHSM	DCOSPX	DCOV2	DCOV3	DCPDRV	DCPINT	DCPLTE	DCPLTK	DCPVAL	DCSEVL	DCSHMM
DD7MLP	DD7TPR	DD7UPD	DDOT	DE1	DEI	DELEFI	DELPII	DERF	DERFC	DERFCE
DERFCI	DERFI	DERM1	DERMN	DERV1	DERVN	DEVBH	DEVUN	DEVVUN	DF7DHB	DF7HES
DFFT	DFMIN	DFRENC	DFRENF	DFRENG	DFRENS	DG7ITB	DG7LIT	DG7QSB	DG7QTS	DGAM1
DGAMI	DGAMIB	DGAMIE	DGAMIK	DGAMMA	DGEKO	DGED	DGEFA	DGEFS	DGEFSC	DGEI
DGESLD	DGESLT	DGR17	DGR29	DH2RFA	DH2RFG	DHERQL	DHFTI	DHINT	DHTCC	DHTGEN
DILUP	DILUPM	DIMQL	DINITS	DINT1	DINTA	DINTDL	DINTDU	DINTF	DINTM	DINTMA
DINTNS	DINTO	DINTOP	DINTSM	DITSUM	DIVA	DIVAA	DIVABU	DIVACO	DIVACR	DIVADA
DIVADB	DIVADE	DIVAG	DIVAHC	DIVAIN	DIVAOP	DIVAPR	DIVSET	DL7ITV	DL7IVM	DL7MSB
DL7MST	DL7NVR	DL7SQR	DL7SRT	DL7SVN	DL7SVX	DL7TSQ	DL7TVM	DL7VML	DLASUM	DLESUM
DLGAMA	DLNREL	DMATREL	DMATP	DMATPR	DMESS	DMLC01	DMLC02	DMLC03	DMLC04	DMLC05
DMLC06	DMLC07	DMLC08	DMLC09	DMLC10	DMLC11	DMLC12	DMLC13	DMLC14	DMLC15	DMLC16
DMLC17	DMLC18	DMLC19	DMLC20	DMLC21	DMPDRV	DMPINT	DMPVAL	DN2CVP	DN2LRD	DN2RDP
DNLAFB	DNLAFU	DNLAGB	DNLAGU	DNLFB	DNLFSU	DNLGSB	DNLSGU	DNQAQ	DNQDOG	DNQFDJ
DNQQFM	DNQQRF	DNQSL1	DNQSL	DNQUPD	DNRM2	DO7PRD	DPARCK	DPASCL	DPDEL	DPFIT
DPOLZ	DPOLZ2	DPPNML	DPQUAD	DPRPL	DPRPL1	DPRPL2	DPRPL3	DPRPL4	DPRPL5	DPRTSV
DPSI	DPSIE	DPSIK	DPVAL	DQ7APL	DQ7RAD	DQ7RFH	DQ7RSH	DQRBD	DR7MDC	DR7TVM
DRANE	DRANG	DRANGV	DRANR	DRANU	DRANUA	DRANUS	DRCOMP	DRCVAL	DRDVAL	DREXP
DRFT	DRFT1	DRFVAL	DRFVLX	DRJVAL	DRLDST	DRLOG	DRLOG1	DRN2G	DRN2GB	DRNSG
DRNSGB	DROT	DROTG	DROTM	DROTMG	DS7BQN	DS7CPR	DS7DMP	DS7IPR	DS7LUP	DS7LVM
DSBASD	DSBASI	DSCAL	DSDIF	DSDOT	DSFIND	DSFIT	DSFITC	DSI	DSIN1	DSINHM
DSINPX	DSORT	DSORTP	DSQUAD	DSTAT1	DSTAT2	DSTOP	DSVA	DSVAL	DSVALA	DSVDRS
DSWAP	DSYMQL	DTCST	DTRC2C	DUACOS	DUASIN	DUATAN	DUATAN2	DUCOS	DUCOSH	DUDIF
DUDIF1	DUEXP	DULOG	DUPRO	DUPRO1	DUPWRI	DUQUO	DUQUO1	DUREV	DUSET	DUSIN
DUSINH	DUSQRT	DUSUM	DUSUM1	DUTAN	DUTANH	DV2AXY	DV2NRM	DV7CPY	DV7DFL	DV7IPR
DV7PRM	DV7SCL	DV7SCP	DV7SHF	DV7SWP	DV7VMP	DVECP	DVECPR	DWACOS	DWASIN	DWATAN
DWATN2	DWCHN	DWCOS	DWCOSH	DWDIF	DWDIF1	DWEXP	DWLOG	DWPRO	DWPROM1	DWPWR1
DWQUO	DWQUO1	DWRCHN	DWSET	DWSIN	DWSINH	DWSQRT	DWSUM	DWSUM1	DWTAN	DWTANH
DXPARG	DZABS	DZERO	ERFIN	ERMR	ERMSET	ERMSG	EXSORT	GSORTP	I1MACH	I7COPY
I7DO	I7PNVR	I7RTDT	I7SHFT	ICAMAX	ID7EGR	IDAMAX	IDSM	IERM1	IERV1	IMATP
IMATPR	INSORT	INSRTX	IRANP	IS7ETR	ISAMAX	ISORT	ISORTP	ISTAT1	ISTAT2	IVECP
IVECPR	M7SEQ	M7SLO	MESS	N7MSRT	OPTCHK	PRPL1	PRPL2	PVEC	R1MACH	RAN0
RAN1	RANGET	RANPUT	RANSIZ	RN1	RN2	RNPUPUT	SA7SST	SACCUM	SACOSH	SACSSH
SACTNH	SASECH	SASINH	SASUM	SATANH	SAXPY	SBACC	SBESJ0	SBESJ1	SBESJN	SBESPQ
SBEZY0	SBEZY1	SBEZSY	SBIOKO	SB1K1	SBMPO	SBMP1	SBSOL	SC2BAS	SC2FIT	SC7VFN
SCALK8	SCASUM	SCCDIV	SCDCHI	SCDPOI	SCDNML	SCFT	SCHOL	SCI	SCIN	SCKDER
SCNRM2	SCOMQR	SCONCM	SCONMC	SCOPY	SCOS1	SCOSHMI	SCOSPX	SCOV2	SCOV3	SCPDRV
SCPINT	SCPLTE	SCPLTK	SCPVAL	SCSEVL	SCSHMM	SD7MLP	SD7TPR	SD7UPD	SDOT	SDSDOT
SE1	SEI	SELEFI	SELPPI	SERF	SERFC	SERFCI	SERFI	SERMF1	SERMN	SERMFN
SERV1	SERVN	SEVBH	SEVUN	SEVVUN	SF7DHB	SF7HES	SFFT	SFMN	SFRENC	SFRENF
SFRENG	SFRENS	SG7ITB	SG7LIT	SG7QSB	SG7QTS	SGAM1	SGAMI	SGAMIB	SGAMIE	SGAMIF
SGAMMA	SGECO	SGED	SGEFA	SGEFS	SGEFSC	SGEI	SGESLD	SH2RFA	SH2RFG	SH2RHF
SHERQL	SHFTI	SHINT	SHTCC	SHTGEN	SILUP	SILUPM	SIMQL	SINITS	SINT1	SINTA
SINTDL	SINTDU	SINTF	SINTM	SINTMA	SINTNS	SINTNS	SINTOP	SINTSM	SITSUM	SIVA
SIVAA	SIVABU	SIVACO	SIVACR	SIVADA	SIVADB	SIVADE	SIVAG	SIVAHCI	SIVAIN	SIVAOV
SIVAPR	SIVSET	SL7ITV	SL7IVM	SL7MSB	SL7MST	SL7NVR	SL7SQR	SL7SRT	SL7SVN	SL7SVX
SL7TSQ	SL7TVM	SL7VML	SLASUM	SLESUM	SLGAMA	SLNREL	SLNREL	SMATP	SMATPR	SMESS
SMLC01	SMLC02	SMLC03	SMLC04	SMLC05	SMLC06	SMLC07	SMLC08	SMLC09	SMLC10	SMLC11
SMLC12	SMLC13	SMLC14	SMLC15	SMLC16	SMLC17	SMLC18	SMLC19	SMLC20	SMLC21	SMPDRV
SMPINT	SMPVAL	SN2CVP	SN2LRD	SN2RDP	SNLAFB	SNLAFU	SNLAGB	SNLSFB	SNLSFU	SNLNSFB
SNLSGB	SNLSGU	SNQAQ	SNQDOG	SNQFDJ	SNQQFM	SNQQRF	SNQSL1	SNQSQL	SNRQUPD	SNRM2
S07PRD	SPARCK	SPASCL	SPFIT	SPOLZ	SPRPL2	SPPNML	SPRQUD	SPRPL1	SPRPL2	SPRQL1
SPRPL3	SPRPL4	SPRPL5	SPRTSV	SPSI	SPSIE	SPSISK	SPVAL	SQ7APL	SQ7RAD	SQ7RFH
SQ7RSH	SQRBD	SR7MDC	SR7TVM	SRANE	SRANG	SRANGV	SRANR	SRANU	SRANUA	SUATN2
SRCOMP	SRINVAL	SRDVAL	SREXP	SRFT	SRFT1	SRFVAL	SRFVLX	SRJVAL	SRLDST	SRLOG
SRLG01	SRN2G	SRN2GB	SRNSG	SROT	SROTG	SROTG	SROTMG	SS7BQN	SS7CPR	SS7NRM
SS7DMP	SS7IPR	SS7LUP	SS7LVM	SSBASD	SSBASI	SSCAL	SSDIF	SSFIN	SSFIT	SSFITC
SSI	SSIIN1	SSIINHM	SSINPX	SSORT	SSORTP	SSQUAD	SSTAT1	SSTAT2	SSTOP	SSVA
SSVAL	SSVALA	SSVDRS	SSWAP	SSYML	STCST	STR2C	SUACOS	SUASIN	SUATAN	SUATN2
SUCOS	SUCOSH	SUDIF	SUDIF1	SUEXP	SULOG	SUPRO	SUPRO1	SUPWRI	SUQUO	SUQUO1
SUREV	SUSET	SUSIN	SUSINH	SUSQRT	SUSUM	SUSUM1	SUTAN	SUTANH	SV2AXY	SV2NRM
SV7CPY	SV7DFL	SV7IPR	SV7PRM	SV7SCL	SV7SCP	SV7SHF	SV7SWP	SV7VMP	SVECP	SVECP
SWACOS	SWASIN	SWATAN	SWATN2	SWCHN	SWCOS	SWCOSH	SWDIF	SWEXP	SWLOG	SWPRO
SWPRO	SWPRO1	SWPWRI	SWQUO	SWRQU01	SWSET	ZDIF	ZDIF	ZWSINH	ZWSQRT	ZWSUM
SWSUM1	SWTAN	SWTANH	SXPARG	SZERO	UMESS	ZCOEF	ZDIF	ZGAM	ZPOLZ	ZPRO

ZQUO ZSQRT ZSUM ZWOFZ

The following tabulation lists all common block names used in the MATH77 library, and the files in which they appear. Software developers should avoid using these common block names.

Common	Files in which common block appears								
/CDFFTC/	DTCST	DRFT1	DRFT	DFFT	DCFT				
/CDILUP/	DILLUPM	DILUP							
/CMESSC/	SMESS	MESS	DMESS						
/CMESSI/	SMESS	MESS	DMESS						
/CSFFTC/	STCST	SRFT1	SRFT	SFFT	SCFT				
/CSILUP/	SILLUPM	SILUP							
/DGAMIC/	DGAMI								
/DINTC/	DINTSM	DINTOP	DINTO	DINTNS	DINTMA	DINTM	DINTDU	DINTDL	DINTA
	DINT1								
/DINTEC/	DINTSM	DINTOP	DINTO	DINTNS	DINTMA	DINTM	DINTDU	DINTDL	DINTA
	DINT1								
/DINTNC/	DINTSM	DINTOP	DINTO	DINTNS	DINTMA	DINTM	DINTDU	DINTDL	DINTA
	DINT1								
/DIVAEV/	DIVAG	DIVADB	DIVADA	DIVA					
/DIVAMC/	DIVAG	DIVADB	DIVADA	DIVA					
/DIVASC/	DIVAG	DIVADB	DIVADA	DIVA					
/DPSIC/	DPSI								
/M77ERR/	SERVN	SERV1	IERV1	ERMSG	ERMOR	ERFIN	DERVN	DERV1	
/RANCMA/	SRANU	SRANR	SRANG	SRANE	RANPK1	IRANP	DRANU	DRANR	DRANG
	DRANE								
/RANCMD/	RANPK1	DRANU	DRANR	DRANG	DRANE				
/RANCMIS/	SRANU	SRANR	SRANG	SRANE	RANPK1	IRANP			
/SGAMIC/	SGAMI								
/SINTC/	SINTSM	SINTOP	SINTO	SINTNS	SINTMA	SINTM	SINTDU	SINTDL	SINTA
	SINT1								
/SINTEC/	SINTSM	SINTOP	SINTO	SINTNS	SINTMA	SINTM	SINTDU	SINTDL	SINTA
	SINT1								
/SINTNC/	SINTSM	SINTOP	SINTO	SINTNS	SINTMA	SINTM	SINTDU	SINTDL	SINTA
	SINT1								
/SIVAEV/	SIVAG	SIVADB	SIVADA	SIVA					
/SIVAMC/	SIVAG	SIVADB	SIVADA	SIVA					
/SIVASC/	SIVAG	SIVADB	SIVADA	SIVA					
/SPSIC/	SPSI								
/UCOM/	SUREV	DUREV	SUCOMP	DUCOMP					